

WHAT IS CLAIMED IS:

1. A reception apparatus receiving a time-division signal,
comprising:
a variable gain amplifier circuit amplifying said signal received at
an antenna to change a level of said signal to a prescribed level;
5 a gain control circuit outputting a gain control amount to said
variable gain amplifier circuit to control a gain of said signal in said variable
gain amplifier circuit; and
a register storing an initial value of said gain control amount set
from outside, wherein
10 said gain control circuit starts to control said gain at each reception
frame, using said initial value stored in said register.
2. The reception apparatus according to claim 1, wherein
said initial value is set to said register from said outside when a
power supply of said reception apparatus is turned on or when said
reception apparatus is reset.
3. The reception apparatus according to claim 1, further
comprising
a signal level detect circuit detecting said level of said signal;
wherein
5 said gain control circuit includes a holding circuit taking in said
initial value from said register to hold, and
said gain control circuit starts to control said gain using said initial
value that is held in said holding circuit, and subsequently, determines said
gain control amount in accordance with said level of said signal that is
10 detected by said signal level detect circuit, and outputs the determined gain
control amount to said variable gain amplifier circuit at each reception
frame.
4. The reception apparatus according to claim 3, wherein

said holding circuit takes in said initial value from said register at an end of said reception frame, and holds the taken in initial value until next reception frame.

5 5. The reception apparatus according to claim 3, wherein
said holding circuit further holds said gain control amount at an
expiration of a prescribed period from a start of said reception frame,
said gain control circuit outputs, before the expiration of said
prescribed period, said gain control amount that is determined in accordance
with said level of said signal detected by said signal level detect circuit to
said variable gain amplifier circuit, and
10 said gain control circuit outputs, after the expiration of said
prescribed period, said gain control amount at the expiration of said
prescribed period that is held by said holding circuit to said variable gain
amplifier circuit.

6. The reception apparatus according to claim 5, further
comprising
a period generator circuit generating said prescribed period; wherein
said period generator circuit notifies said gain control circuit of said
5 prescribed period.

7. The reception apparatus according to claim 6, wherein
said period generator circuit includes a timer for measuring said
prescribed period.

8. The reception apparatus according to claim 5, wherein
said time-division signal includes header information, and
said prescribed period is a period for receiving said header
information.

9. The reception apparatus according to claim 1, further
comprising:

a first signal level detect circuit detecting a level of the signal that is amplified by said variable gain amplifier circuit; and
5 a second signal level detect circuit detecting a level of the signal before input to said variable gain amplifier circuit; wherein
said gain control circuit compares first and second signal levels detected by said first and second signal level detect circuits, respectively, determines said gain control amount based on a result of the comparison,
10 and outputs said determined gain control amount to said variable gain amplifier circuit.

10. The reception apparatus according to claim 1, wherein
said initial value is determined in accordance with an attenuation amount of said signal propagating from a transmission apparatus transmitting said signal to said reception apparatus.